

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4810	saiki.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:27
S2	134	shintoku.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/14 16:52
S3	24971	baba.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/14 16:52
S4	1859	shimo.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/14 16:52
S5	10664	murase.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/14 16:53
S6	114390	yamaguchi.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/14 16:53
S7	73359	yamashita.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/14 16:53
S8	228263	S1 S2 S3 S4 S5 S6 S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/14 16:53
S9	20	S8 and (coating same sliding same binder)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/20 07:41
S10	13	((("4724251") or ("4626365") or ("6500537") or ("20030072969") or ("20020039640") or ("6524661"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/12/14 17:09
S11	423	106/400.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:28
S12	191	508/108.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:28

S13	0	252/12,12.2,12.4.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:28
S14	0	252/12.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:28
S15	0	252/12.2.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:28
S16	0	252/12.4.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:28
S17	0	252/25.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:29
S18	493	525/104.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:29
S19	205	525/180.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:29
S20	735	525/184.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:29
S21	1998	S11 S12 S18 S19 S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:29
S22	131	S21 and ((coating or (sliding near part)) same ((titanium near oxide) or "TiO.sub.2" or titania or TiO2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:36
S23	108	S21 and ((coating or (sliding near part)) same ((titanium near oxide) or "TiO.sub.2" or titania or TiO2)) and (resin or polyimide or polyamide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:36
S24	52	S21 and ((coating or (sliding near part)) same ((titanium near oxide) or "TiO.sub.2" or titania or TiO2)) and (polyimide or polyamide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:36
S25	15	S21 and ((coating or (sliding near part)) same ((titanium near oxide) or "TiO.sub.2" or titania or TiO2)) and (polyimide or polyamide) and ("PTFE" or polytetrafluoroethylene)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 13:44
S26	3	("6500537").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/12/19 14:07

S27	1	S26 and titanium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:49
S28	1	S26 and ((coupling near agent) or silnae)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:49
S29	1	S26 and ((coupling near agent) or silane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:54
S30	1	S26 and ((coupling near agent) or silane) and (polymer near10 viscosity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:56
S31	0	S26 and ((titanium or titania) near5 (content or weight or amount))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 12:56
S32	1	S26 and (((coupling near agent) or silane) near10 (amount or content or weight))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 13:42
S33	9098	(coating or (sliding near parts)) with ("TiO.sub.2" or TiO2 or titania or (titanium near oxide)) with (content or amount or weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 13:46
S34	9	(sliding near (part or parts)) with ("TiO.sub.2" or TiO2 or titania or (titanium near oxide)) with (content or amount or weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 13:55
S35	6	S25 not pigment	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 13:57
S36	2887	(titanium near oxide) same (wear or seizure or smoothness or smooth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 14:03
S37	17	((titanium near oxide) same (wear or seizure or smoothness or smooth)) and (sliding near (part or parts))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 14:05
S38	4	((titanium near oxide) same (amount or content or weight) same (wear or seizure or smoothness or smooth)) and (sliding near (part or parts))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 14:05
S39	13	("4544720"   "5059720"   "5304617"   "5374683"   "5570593"   "5670593"   "5750626"   "5869574"   "5986150"   "6054537"   "6069215"   "6225399"). PN. OR ("6500537").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/19 14:07
S40	2	S39 and (titanium near oxide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 14:08

S41	3	S39 and (titania or "TiO.sub.2" or TiO2 or (titanium near oxide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/19 14:09
S42	2	("20040224856").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/12/20 07:41
S43	1	S42 and (titanium near oxide) and polytetrafluoroethylene and (coupling near agent) and based	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/20 07:42
S44	1	((wear or seizure) near5 (resistance or resistant) same (polytetrafluoroethylene or "PTFE")) and ((polytetrafluoroethylene or "PTFE") same (titania or (titanium adj oxide)) same silane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/04 14:33
S45	180517	(wear or seizure) near5 (resistant or resistance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/04 14:34
S46	428	106/400.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/04 14:34
S47	191	508/108.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/04 14:34
S48	495	525/104.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/04 14:34
S49	206	525/180.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/04 14:34
S50	737	525/184.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/04 14:34
S51	2007	S46 S47 S48 S49 S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/04 14:34
S52	153	S51 and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/04 14:34
S53	46	S52 and ((polytetrafluoroethylene or "PTFE") same (composition or coating or film))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/04 14:35

S54	11	S53 and (titania or (titanium adj oxide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/03/04 14:35
S55	3	("6500537").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/07/02 15:48
S56	1	S55 and film	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/02 15:48
S57	5339	(polyimide or ("polyamide-imide" or "polyamide imide" or (polyamide near imide))) with binder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/02 16:41
S58	1738	(polyimide or ("polyamide-imide" or "polyamide imide" or (polyamide near imide))) near5 binder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/02 16:44
S59	737	(polyimide or ("polyamide-imide" or "polyamide imide" or (polyamide near imide))) near5 binder near resin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/02 17:02
S60	11	(polyimide or ("polyamide-imide" or "polyamide imide" or (polyamide near imide))) near5 (binder near resin) and (sliding near2 part)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/02 17:26
S61	2	JP-01255798-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/07/03 08:26
S62	19	(polyimide or "polyamide-imide" or (polyamide near imide)) same ("PFTE" or "pfte" or polytetrafluoroethylene or polytetrafluoro-ethylene or teflon) same silane same (titania or titanium adj oxide or titanium adj dioxide or anatase or rutile or "tio.sub.2" or "tio2")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 10:42
S63	0	("2004/0224856").URPN.	USPAT	OR	ON	2009/01/26 10:47
S64	50	(US-5980216-\$ or US-4972764-\$ or US-5934172-\$ or US-6694863-\$ or US-6189434-\$ or US-5868556-\$ or US-5941157-\$ or US-5950521-\$ or US-4263814-\$ or US-4289453-\$ or US-4420986-\$ or US-4522112-\$ or US-5782613-\$ or US-5875702-\$ or US-5931079-\$ or US-5983775-\$ or US-6006652-\$ or US-6012905-\$ or US-6192699-\$ or US-4138775-\$ or US-4285640-\$ or US-4416458-\$ or US-4432702-\$ or US-4470761-\$ or US-4502853-\$ or US-4519119-\$).did. or (US-4568252-\$ or US-4884952-\$ or US-5228379-\$ or US-5391058-\$ or US-5452647-\$ or US-5490767-\$ or US-	USPAT	OR	ON	2009/01/26 11:30

		5492459-\$ or US-5495789-\$ or US-5720215-\$ or US-5741122-\$ or US-5784950-\$ or US-5839347-\$ or US-5896803-\$ or US-5911809-\$ or US-5937731-\$ or US-5941160-\$ or US-5950520-\$ or US-5988041-\$ or US-6024008-\$ or US-6044751-\$ or US-6056517-\$ or US-6092996-\$ or US-6095761-\$ or US-6098520-\$).did.				
S65	0	S64 and (polyimide or "polyamide-imide" or (polyamide near imide)) and ("PTFE" or "pfte" or "(PTFE)" or polytetrafluoroethylene or polytetrafluoro-ethylene or teflon) and silane and (titania or titanium adj oxide or titanium adj dioxide or anatase or rutile or "tio.sub.2" or "tio2")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 11:39
S66	0	S64 and (polyimide or "polyamide-imide" or (polyamide near imide)) and ("PTFE" or "pfte" or "(PTFE)" or polytetrafluoroethylene or polytetrafluoro-ethylene or teflon) and (titania or titanium adj oxide or titanium adj dioxide or anatase or rutile or "tio.sub.2" or "tio2")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 11:39
S67	0	S64 and (polyimide or "polyamide-imide" or (polyamide near imide)) and ("PTFE" or "pfte" or "(PTFE)" or polytetrafluoroethylene or polytetrafluoro-ethylene or teflon) and silane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 11:39
S68	0	S64 and ("PTFE" or "pfte" or "(PTFE)" or polytetrafluoroethylene or polytetrafluoro-ethylene or teflon) and silane and (titania or titanium adj oxide or titanium adj dioxide or anatase or rutile or "tio.sub.2" or "tio2")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 11:39
S69	0	S64 and (polyimide or "polyamide-imide" or (polyamide near imide)) and silane and (titania or titanium adj oxide or titanium adj dioxide or anatase or rutile or "tio.sub.2" or "tio2")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 11:39
S70	576	sliding near (parts or members or segments) and (polyimide or "polyamide-imide" or (polyamide near imide)) and ("PTFE" or "(PTFE)" or pfte or polytetrafluoroethylene or teflon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 11:41
S71	289386	sliding near (parts or members or segments) and (polyimide or "polyamide-imide" or (polyamide near imide)) samd3 ("PTFE" or "(PTFE)" or pfte or polytetrafluoroethylene or teflon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 11:41

S72	453	sliding near (parts or members or segments) and (polyimide or "polyamide-imide" or (polyamide near imide)) same3 ("PTFE" or "(PTFE)" or ptfe or polytetrafluoroethylene or teflon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 11:41
S73	68	sliding near (parts or members or segments) and (polyimide or "polyamide-imide" or (polyamide near imide)) and ("PTFE" or "(PTFE)" or ptfe or polytetrafluoroethylene or teflon) and (coupling near agent or silane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 11:42
S74	43	sliding near (parts or members or segments) and (polyimide or "polyamide-imide" or (polyamide near imide)) and ("PTFE" or "(PTFE)" or ptfe or polytetrafluoroethylene or teflon) and (coupling near agent or silane) and ("tio.sub.2" or "tio2" or (titanium adj (oxide or dioxide)) or titania)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 11:43
S75	4	("3781205").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/26 11:49
S76	8	((wear or seizure) near3 resistance) or (sliding near3 parts)).ab. and (polytetrafluoroethylene or ptfe or "PTFE" or teflon) same2 (binder or polyimide or "polyamide-imide" or (polyamide near imide)) same2 (coupling or silane) and ((titanium near (oxide or dioxide)) or "TiO.sub.2" or "TiO2")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 09:59
S77	6141	((wear or seizure) near resistance) or (sliding near3 parts)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 10:41
S78	1	((wear or seizure) near resistance) or (sliding near3 parts)).clm. and (polytetrafluoroethylene or ptfe or "PTFE" or teflon) same2 (binder or polyimide or "polyamide-imide" or (polyamide near imide)) same2 (coupling or silane) and ((titanium near (oxide or dioxide)) or "TiO.sub.2" or "TiO2")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 10:41
S79	4	((wear or seizure) near resistance) or (sliding near3 parts)).clm. and (polytetrafluoroethylene or ptfe or "PTFE" or teflon) and (binder or polyimide or "polyamide-imide" or (polyamide near imide)) and (coupling or silane) and ((titanium near (oxide or dioxide)) or "TiO.sub.2" or "TiO2")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 10:42

S80	1823	(polytetrafluoroethylene or ptfe or "PTFE" or teflon) and (polyimide or "polyamide-imide" or (polyamide near imide)) and (coupling or silane) and ((titanium near (oxide or dioxide)) or "TiO.sub.2" or "TiO2") with (powder or particle or particulate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 11:15
S81	645	(polytetrafluoroethylene or ptfe or "PTFE" or teflon) same (polyimide or "polyamide-imide" or (polyamide near imide)) and (coupling or silane) and ((titanium near (oxide or dioxide)) or "TiO.sub.2" or "TiO2") with (powder or particle or particulate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 11:15
S82	224	(polytetrafluoroethylene or ptfe or "PTFE" or teflon) same (polyimide or "polyamide-imide" or (polyamide near imide)) same2 (coupling or silane) and ((titanium near (oxide or dioxide)) or "TiO.sub.2" or "TiO2") with (powder or particle or particulate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 11:15
S83	134	(polytetrafluoroethylene or ptfe or "PTFE" or teflon) same (polyimide or "polyamide-imide" or (polyamide near imide)) same2 (coupling or silane) same2 ((titanium near (oxide or dioxide)) or "TiO.sub.2" or "TiO2") with (powder or particle or particulate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 11:16
S84	8	(polytetrafluoroethylene or ptfe or "PTFE" or teflon) same (polyimide or "polyamide-imide" or (polyamide near imide)) same (coupling or silane) same ((titanium near (oxide or dioxide)) or "TiO.sub.2" or "TiO2") with (powder or particle or particulate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 11:16
S85	2	("4742110").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/30 11:32
S86	1	S85 and polyamide-imide and "MFR"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 11:33
S87	0	S85 and sliding	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 11:41
S88	0	S85 and (metal or automotive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 11:42
S89	61	polyamide near composition same (known or conventional) same ((sliding near part) or automotive or equipment)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 11:42



S90	9674	silane near coupling with (concentration or amount or content or weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 12:10
S91	124	polyamide near composition same (molding or moldability or extrusion) same (metal or sliding near part or wear near resistance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 12:12
S92	40	polyamide near composition same (molding or moldability or extrusion) same (equipment or sliding near part or wear near resistance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 12:13
S93	61	polyamide near composition same (molding or moldability or extrusion) same (equipment or automation or automotive or sliding near part or wear near resistance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 12:13
S94	131	(generally or usually) with powder with ((titanium near oxide) or "TiO.sub.2" or tio2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 12:18
S95	10	(generally or usually) with powder with ((titanium near oxide) or "TiO.sub.2" or tio2) with size	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 12:18
S96	13	(generally or usually) with powder with ((titanium near oxide) or "TiO.sub.2" or tio2) with (size or diameter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 12:18
S97	9492	("TiO2" or titania or "TiO.sub.2" or (titanium near oxide) or (titanium near dioxide)) same filler same (size or diameter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:08
S98	2927	("TiO2" or titania or "TiO.sub.2" or (titanium near oxide) or (titanium near dioxide)) same filler same (size or diameter) same (usually or often or known or conventional or conventionally or generally)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:08
S99	1617	("TiO2" or titania or "TiO.sub.2" or (titanium near oxide) or (titanium near dioxide)) with filler same (size or diameter) same (usually or often or known or conventional or conventionally or generally)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:08
S100	281	("TiO2" or titania or "TiO.sub.2" or (titanium near oxide) or (titanium near dioxide)) with filler with (size or diameter) same (usually or often or known or conventional or conventionally or generally)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:08
S101	200	("TiO2" or titania or "TiO.sub.2" or (titanium near oxide) or (titanium near dioxide)) with (particle or powder or particulate) with filler with (size or diameter) same (usually or often or known or conventional or conventionally or generally)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:09

S102	55	("TiO2" or titania or "TiO.sub.2" or (titanium near oxide) or (titanium near dioxide)) with (particle or powder or particulate) with filler with (size or diameter) with (usually or often or known or conventional or conventionally or generally)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:09
S103	296	(moldable or moldability or extrusion or molding) same composition and ("TiO2" or titania or "TiO.sub.2" or (titanium near oxide) or (titanium near dioxide)) with (particle or powder or particulate) with filler with (size or diameter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:20
S104	1	mold\$4 near2 composition same filler with ((titanium near oxide) or (titanium near dioxide) or titania or "TiO.sub.2" or "TiO2") with (generally or known or conventional or conventionally or usually or often) with (size or diameter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:46
S105	1	mold\$4 near4 composition same filler with ((titanium adj oxide) or (titanium adj dioxide) or titania or "TiO.sub.2" or "TiO2") with (generally or known or conventional or conventionally or usually or often) with (size or diameter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:46
S106	9	mold\$4 same filler with ((titanium adj oxide) or (titanium adj dioxide) or titania or "TiO.sub.2" or "TiO2") with (generally or known or conventional or conventionally or usually or often) with (size or diameter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:47
S107	4959	silane same polymer same filler	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:49
S108	1436	silane same polymer same filler same inorganic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:49
S109	367	silane same polymer same filler same inorganic same (talc or titania or "TiO.sub.2" or "tio2" or (titanium adj dioxide) or (titanium adj oxide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:54
S110	95	silane same polymer same treat\$4 near5 filler same inorganic same (talc or titania or "TiO.sub.2" or "tio2" or (titanium adj dioxide) or (titanium adj oxide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:54
S111	932	(filler near5 treat\$4 near5 silane) and (filler with (titania or (titanium near oxide) or (titanium near dioxide) or "TiO.sub.2" or "TiO2"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:56

S112	262	(mold\$4 near2 composition) and (filler near5 treat\$4 near5 silane) and (filler with (titania or (titanium near oxide) or (titanium near dioxide) or "TiO.sub.2" or "TiO2"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:57
S113	25	(mold\$4 near2 composition).ab. and (filler near5 treat\$4 near5 silane) and (filler with (titania or (titanium near oxide) or (titanium near dioxide) or "TiO.sub.2" or "TiO2"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:57
S114	1	(mold\$4 near2 composition).ab. and (filler near5 treat\$4 near5 silane with (amount or concentration or weight or content)) and (filler with (titania or (titanium near oxide) or (titanium near dioxide) or "TiO.sub.2" or "TiO2"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:58
S115	17	(mold\$4 near2 composition).ab. and (filler near5 treat\$4 near5 silane) and (filler with (titania or (titanium near oxide) or (titanium near dioxide) or "TiO.sub.2" or "TiO2")) and silane with (amount or concentration or weight or content)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:59
S116	2	("5948339").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/30 14:42
S117	1	S116 and silane with weight and titanium near dioxide with filler and treating with filler with silane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 14:43
S118	2	("20020161091").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/30 15:26
S119	2509	acrylonitrile with binder near resin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 15:31
S120	158	acrylonitrile with binder near resin same film	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 15:31
S121	126020	((wear or seizure) near5 resistan\$3) or (sliding near2 (part or film))).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 14:25
S122	61	((wear or seizure) near5 resistan\$3) or (sliding near2 (part or film))).ab. and silane and (polyimide or polyamide) and (Teflon or polytetrafluoroethylene) and ("TiO.sub.2" or "TiO2" or titanium or titania)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 14:26
S123	4572	silane near10 (treated or treating or treat) near10 (filler or titanium or titani or "TiO.sub.2" or "TiO2")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 14:38

S124	286	silane near10 (treated or treating or treat) near10 (filler or titanium or titani or "TiO.sub.2" or "TiO2") and ((wear near2 resistan\$3) or (seizure near3 resistan\$3) or (sliding near2 part) or (sliding near3 film))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 14:39
S125	5	silane near10 (treated or treating or treat) near10 (filler or titanium or titani or "TiO.sub.2" or "TiO2") and ((wear near2 resistan\$3) or (seizure near3 resistan\$3) or (sliding near2 part) or (sliding near3 film)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 14:39
S126	2	silane near10 (treated or treating or treat) near10 (titanium or titania or "TiO.sub.2" or "TiO2") and ((wear near2 resistan\$3) or (seizure near3 resistan\$3) or (sliding near2 part) or (sliding near3 film)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 15:07
S127	13	silane near10 (treated or treating or treat) near10 (titanium or titania or "TiO.sub.2" or "TiO2") and ((wear near2 resistan\$3) or (seizure near3 resistan\$3) or (sliding near2 part) or (sliding near3 film)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 15:08
S128	2	("4742110").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 15:11
S129	1	S128 and silane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 15:11
S130	1	S128 and coupling	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 15:11
S131	44	silane near5 coupling near10 (widely or known or usually or skilled) near5 treat\$4 near3 (titanium or titania or "TiO.sub.2" or "TiO2")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 15:12
S132	497	106/400.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 15:19
S133	203	508/108.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 15:19
S134	519	525/104.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 15:19
S135	211	525/180.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 15:19

S136	746	525/184.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 15:19
S137	2126	S132 S133 S134 S135 S136	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 15:19
S138	27201	S137 and silane near5 treat\$4 (titanium or titania or "TiO.sub.2" or "TiO2") near (particle or powder or particulate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 15:19
S139	367	S137 and silane near5 treat\$4 (titanium or titania or "TiO.sub.2" or "TiO2") near (particle or powder or particulate) and (sliding near part or wear near resistan\$4).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 15:20
S140	351	S137 and silane near5 treat\$3 (titanium or titania or "TiO.sub.2" or "TiO2") near (particle or powder or particulate) and (sliding near part or wear near resistan\$4).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/02 15:20
S141	2	("20060241207").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 10:09
S142	2	S141 and "GPa"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:09
S143	6266	(ceramic or rock near wool or glass) near2 (fiber or fibre) with (tensile or "GPa" or "MPa")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:27
S144	16	(ceramic or rock near wool or glass) near2 (fiber or fibre) with (tensile or "GPa" or "MPa") and (friction near5 (material or composition or component or item)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:27
S145	497	106/400.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 11:02
S146	203	508/108.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 11:02
S147	519	525/104.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 11:02
S148	211	525/180.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 11:02

S149	746	525/184.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 11:02
S150	2126	S145 S146 S147 S148 S149	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 11:02
S151	0	S150 and fluid near environment same friction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 11:02
S152	4890	rotating near2 part near10 (automobile or airplane or machine or bicycle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 11:03
S153	166	rotating near2 part near10 (automobile or airplane or machine or bicycle) with fluid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 11:03
S154	59	rotating near2 part near10 (automobile or airplane or machine or bicycle) with fluid same pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 11:03
S155	59	rotating near2 part near10 (automobile or airplane or machine or bicycle) with fluid same pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 12:18
S156	3	rotating near2 part near10 (automobile or airplane or machine or bicycle) with fluid same pressure same ("Pa" or "MPa" or "GPa" or pascal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 12:18
S157	1	rotating near2 part near10 automobile with (fluid or liquid or oil or medium or media) same pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 12:20
S158	2	("5573579").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 13:20
S159	0	S158 and (brake or clutch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 13:20
S160	155	(brake or clutch) same friction near5 (material or composition or compound) same (carbon or carbonaceous) near2 fiber and (ceramic or glass) near2 (fiber or fibre)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 13:21
S161	91	(brake near lining or clutch) same friction near5 (material or composition or compound) same (carbon or carbonaceous) near2 fiber and (ceramic or glass) near2 (fiber or fibre)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 13:21

S162	0	S158 and (pore or pores or porosity or porous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 13:33
S163	5	((("6331358") or ("4175070"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 13:34
S164	0	S163 and (pore or pores or porosity or porous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 13:34
S165	8666	lam.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 17:36
S166	48023	dong.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 17:36
S167	39	(S165 S166) and (carbon same friction).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 17:36
S168	33	(S165 S166) and (carbon same friction same fiber same (ceramic or aramid or glass or silica or mineral)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 17:37
S169	3	(S165 S166) and (carbon same friction same fiber same (ceramic or aramid or glass or silica or mineral) same (size or diameter)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 17:37
S170	2	("6001750").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 17:54
S171	2	S170 and diameter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 17:54
S172	7173	saiki.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/04 12:51
S173	165	shintoku.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/04 12:51
S174	38030	baba.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/04 12:51
S175	2736	shimo.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/04 12:51

S176	16512	murase.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/04 12:51
S177	174267	yamaguchi.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/04 12:51
S178	112243	yamashita.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/04 12:52
S179	3	(S172 S173 S174 S175 S176 S177 S178) and ((polyamide or polyimide) same (titanium or titania) same (sliding or wear or seizure)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/04 12:53
S180	2	("20040224856").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/06/02 10:43
S181	1	S180 and polyamide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/02 10:43
S182	82390	abrasive and (gap or opening or aperture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/02 13:12
S183	546	(abrasive and (gap or opening or aperture)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/02 13:13
S184	649652	(abrasive near3 tooland (gap or opening or aperture)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/02 13:13
S185	44	(abrasive near3 tool and (gap or opening or aperture)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/02 13:13
S186	520	106/400.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/02 13:21
S187	213	508/108.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/02 13:21
S188	532	525/104.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/02 13:21
S189	213	525/180.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/02 13:21



S190	757	525/184.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/02 13:21
S191	256	(S186 S187 S188 S189 S190) and (polyimide or polyamide adj imide or "polyamide-imide")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/02 13:21
S192	96	(S186 S187 S188 S189 S190) and (polyimide or polyamide adj imide or "polyamide-imide") and (PTFE or polytetrafluoroethylene)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/02 13:22
S193	324	(saiki.in. or shintoku.in. or babab.in. or shimo.in. or murase.in. or yamaguchi.in. or yamashita.in.) and (polyimide or polyamide adj imide or "polyamide-imide").clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/02 13:23
S194	2	(saiki.in. or shintoku.in. or babab.in. or shimo.in. or murase.in. or yamaguchi.in. or yamashita.in.) and ((polyimide or polyamide adj imide or "polyamide-imide") and (PTFE or polytetrafluoroethylene)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/06/02 13:23

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